FORM PTO-1449	SERIAL NO. 09/845,666	CASE NO. 10599/10
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE April 30, 2001	GROUP ART UNIT 2821
(use several sheets if necessary)	APPLICANT(S): William E. McKinzie III et al.	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
H.L	A1	6,175,337 B1	01/16/2001	Jasper, Jr. et al.	343/770	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
H.L	A2	WO 99/50929	10/07/99	WIPO	—		
H.L	A3	WO 01/24313 A1	04/05/01	WIPO	—		

EXAMINER INITIAL		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
H.L	A4	R. J. King and K.S. Park, "Synthesis of surface reactances using grounded pin bed structure," *Electronics Letters*, Vol 17, 1981, pp. 52-53.
H.L	A5	S. M. Sze, "Physics of Semiconductor Devices - Chapter 2.7.4 Varactor", published by Wiley & Sons, 1981, pp 114-122.
H.L	A6	Ray. J. King, David. V. Theil, and Kwang S. Park, "The synthesis of surface reactances using an artificial dielectric," *IEEE Trans. Antennas and Propagation*, vol AP-31, no. 3, May 1983, pp. 471-476.
H.L	A7	R. M. Walser et. al., "New smart materials for adaptive microwave signature control," *Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE)*, Vol 1916, 1993, pp. 128-134.
H.L	A8	John C. Vardaxoglou, "*Frequency Selective Surfaces: Analysis and Design*," Research Studies Press Ltd, Copyright 1997, pp 1-9, 18-73, 116-152 and 221-273.
H.L	A9	Daniel F. Sievenpiper, "High-impedance electromagnetic surfaces," Ph.D. dissertation, UCLA electrical engineering department, filed January 1999
H.L	A10	D. Sievenpiper, L. Zhang, and E. Yablonovitch, "High-impedance electromagnetic ground planes," *IEEE Intl. MTT Symp.*, June 13-19, 1999, Anaheim, CA
H.L	A11	D. Sievenpiper, R. Broas, and E. Yablonovitch, "Antennas on high-impedance ground planes," *IEEE Intl. MTT Symp.*, June 13-19, 1999, Anaheim, CA
H.L	A12	L. Zhang, N. G. Alexopoulos, D. Sievenpiper, and E. Yablonovitch, "An efficient finite-element method for the analysis of photonic bandgap materials," *IEEE Intl. MTT Symp.*, June 13-19,1999, Anaheim, CA

EXAMINER	H. L	DATE CONSIDERED	8/22/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	SERIAL NO. 09/845,666	CASE NO. 10599/10
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE April 30, 2001	GROUP ART UNIT 2821
(use several sheets if necessary)	APPLICANT(S): William E. McKinzie III	

EXAMINER INITIAL		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
H.L	A13	Dan Sievenpiper, Lijun Zhang, Romulo F. Jimenez Broas, Nicolaos G. Alexopoulos, and Eli Yablonovitch, "High-impedance electromagnetic surfaces with a forbidden frequency band," *IEEE Trans. Microwave Theory and Techniques*, Vol. 47, No. 11, November 1999, pp. 2059-2074.
H.L	A14	Ruey Bing Hwang and Song Tsuen Peng, "Guidance Characteristics of Two-Dimensionally Periodic Impedance Surface", *IEEE Trans. Microwave Theory and Techniques*, Vol. 47, No. 12, December 1999, pp. 2503-2511.
H.L	A15	Rudolfo E. Diaz, James T. Aberle, and William E. McKinzie III, "TM mode analysis of a Sievenpiper high-impedance reactive surface," *IEEE Intl. Antennas and Propagation Symp.* July 16-21, 2000, Salt Lake City, Utah. pp. 327-330.
H.L	A16	M. Rahman and M. A. Stuchly, "Equivalent circuit model of 2D microwave photonic bandgap structures," *URSI National Radio Science Meeting*, July 16-21, 2000, Salt Lake City, Utah, pp. 322.
H.L	A17	G. Poilasne and E. Yablonovitch, "Matching antennas over high-impedance ground planes," *URSI National Radio Science Meeting*, July 16-21, 2000, Salt Lake City, Utah, pp. 312.
H.L	A18	H. Y. D. Yang, R. Kim and D. R. Jackson, "Surface-Wave Band Gaps and Leaky Modes On Integrated Circuit Structures With Planar Periodic Metallic Elements", IEEE MTT-S Digest, Copyright 2000, pp 1521-1524
H.L	A19	R. B. Hwang, S. T. Peng and C. C. Chen, "Surface-Wave Suppression of Resonance-Type Periodic Structures", IEEE MTT-S Digest, Copyright 2000, pp 1525-1528
H.L	A20	Ben A. Munk, "*Frequency Selective Surfaces, Theory and Design*," John Wiley and Sons, New York, Copyright 2000, pp 26-62 and 279-314.
H.L	A21	R. J. King and S. W. Cho, "Surface Impedance Planes", Dept. of Electrical and Computer Engineering, University of Wisconsin, Copyright 2000, 16 pages
H.L	A22	D. Sievenpiper, H. Hsu, J. Schaffner R. Garcia and S. Ontiveros, "Low Profile, Four Sector Diversity Antenna on High Impedance Ground Plane," *Eelectronics Lett.*, Vol. 36, No. 16, 1999, 2 pages
H.L	A23	Keisuke Kageyama et al., "Tunable Active Filters Having Multilayer Structure Using LTCC", IEEE, Copyright 2001, 4 pages
H.L	A24	Dan Sievenpiper, Jim Schaffner, Bob Loo, Greg Tangonan, Rick Harold, Joe Pikulski and Ray Garcia, "Electronic Beam Steering Using A Varactor-Tuned Impedance Surface," *IEEE Antennas and Propagation Society Intl. Symp,* Vol. 1, as presented at the IEEE Antennas and Propagation International Symposium in Boston, MA., July, 2001, pp. 174-177.
H.L	A25	Briefing Charts in color as presented at the IEEE Antennas and Propagation International Symposium in Boston MA., July, 2001, 13 pages

EXAMINER H. LE	DATE CONSIDERED 8/22/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	SERIAL NO. 09/845,666	CASE NO. 10599/10
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE April 30, 2001	GROUP ART UNIT 2821
(use several sheets if necessary)	APPLICANT(S): William E. McKinzie III et al.	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	TRANSLATION NO
H.L	B1	WO 01/73891 A1	10/04/2001	WIPO			
H.L	B2	WO 01/73892 A2	10/04/2001	WIPO			
H.L	B3	WO 01/73893 A1	10/04/2001	WIPO			

EXAMINER INITIAL		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER H. LE	DATE CONSIDERED 8/22/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.